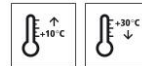


Technical Data Sheet

StoPox WL 200

Epoxy resin water-based coating material, slip-resistant, low-emission



Characteristics

- Area of application**
- interior areas and areas exposed to weathering
 - for cementitious substrates
 - magnesite and calcium sulphate screeds
 - as a coloured sealing coat on industrial floor surfaces

- Properties**
- water vapour permeable
 - very good adhesion to the substrate
 - slip-resistant
 - low VOC emissions

- Information/notes**
- Product is in accordance with EN 1504-2
 - product is in accordance with environmental label category C

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Bond strength (28 days)	EN 1542	> 2.0 MPa	
Viscosity (at 23 °C)	EN ISO 3219	2,500 - 3,800 mPa.s	Mixture
Density (mixture 23 °C)	EN ISO 2811	1.37 - 1.46 g/cm ³	
Abrasion resistance according to Taber device	EN ISO 5470-1	62 mg	CS 10/1000U/1000g, approx.
Water vapour permeability class	EN ISO 7783	Class II (medium)	Classification in accordance with DIN EN 1504-2

The characteristic values stated are average values or approximate values. Due to the natural raw materials in our products, the stated values can vary slightly in the same delivery batch; this does not affect the suitability of the product for its intended use.

Substrate

Requirements Requirements on the concrete substrate:

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The substrate must be dry, load-bearing, and free from native and foreign release agents. Remove weak layers and laitance.

Dry in accordance with the definition of the DAfStb (German) Repair Guideline 2001-10, but depending on the compressive strength class. Residual moisture may amount to max. 4 wt% for concrete in strength classes up to C30/37 and max. 3 wt% for C35/45 concrete, measured with a calcium carbide meter.

Substrate temperature higher than +10 °C and 3 K above dew point.

Average bond strength $\geq 1.5 \text{ N/mm}^2$

Lowest single bond strength value 1.0 N/mm^2

Special expert knowledge is required for assessing magnesite and calcium sulphate screeds.

Preparations

Prepare the substrate using a suitable mechanical process such as shot-blasting, milling and then shot-blasting, or abrasive blasting, or diamond-grinding.

Apply a levelling coat for roughness depths $> 0.5 \text{ mm}$

Application

Application temperature

Lowest application temperature: +10 °C
Highest application temperature: +30 °C
Maximum approved relative humidity 85 %

Time for application

At +10 °C: approx. 180 minutes
At +20 °C: approx. 90 minutes
At +30 °C: approx. 60 minutes

Reworking time:
at +10 °C: approx. 24 h
at +20 °C: approx. 16 h
at +30 °C: approx. 12 h

Mixing ratio

Component A : component B = 100.0 : 20.0 parts by weight

Material preparation

Component A and Component B are supplied in the correct mixing ratio and should be mixed in accordance with the following instructions. Stir component A, then add all of component B.
Mix thoroughly with a slow-running paddle mixer (max. 300 rpm) until a homogeneous, streak-free compound develops. It is also vital to stir thoroughly at the sides and the bottom in order to evenly distribute the hardener. Mixing time is at least 3 minutes.

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After mixing, pour the compound into a clean container and mix again.
Do not apply from the delivery container!

The temperature of the individual components must be at least +15 °C when mixing.

Coating build-up

Industrial floor coating with light mechanical resistance, anti-skid adjustment.

- 1) Substrate preparation
2. Priming coat with StoPox WL 200
3. StoPox WL 200 sealant
- 4) Floor finish using StoDivers P 105 / StoDivers P 120 (optional)

Application

Industrial floor coating with light mechanical stress, anti-skid adjustment.

- 1) Substrate preparation

2. StoPox WL 200 priming coat StoPox WL 200 can be diluted with up to 20 % water depending on the substrate and application conditions.
Consumption: approx. 0.15 - 0.25 kg/m² per application cycle

3. Sealing with StoPox WL 200

StoPox WL 200 can be diluted with up to 10 % water and applied with a short-pile roller (Sto-Varnish Roller Nylon RS13, Sto SE & Co. KGaA tool catalogue).
Consumption: approx. 0.15 - 0.25 kg/m² per application cycle
Apply the material evenly. Using a paint grid in the application container is recommended.

- 4) Floor finish using StoDivers P 105 / StoDivers P 120 (optional)

Apply a thin layer of the floor finish evenly to the clean and cured industrial flooring. Apply material using a pre-dampened mop. Leave the floor to dry sufficiently, approx. 20 - 30 min.

Carry out the second application cycle at right angles (perpendicular) to the previous application. It is very important to observe the specified drying times between application cycles. Depending on the expected stress, several application cycles may be necessary.

Consumption: approx. 30 - 50 ml/m² per application cycle

Avoid direct sunlight, high temperatures, and draughts during application.

Notes:

Not suitable for areas subject to high mechanical stress.

Depending on the colour shade and substrate, several application cycles with

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StoPox WL 200 may be required to achieve homogeneous coverage.

Ensure sufficient ventilation when applying water-based coating systems. However, avoid draughts. Different layer thicknesses, too high humidity, and too low temperatures (< +10 °C) can lead to visual defects.

Depending on exposure to chemicals, discolourations can occur. These do not, however, impair the technical function of the coating.

The anti-skid properties of StoPox WL 200 decrease depending on the use. If this is the case, renew the sealing.

The layer thickness for sealing coats is normally < 0.5 mm and decreases as a result of mechanical use. This should be taken into account with regard to the required service life.

If StoPox WL 200 is to be applied on old or new epoxide resin coatings, they should be sanded down first intensely with a single disc machine, equipped with a black pad, as otherwise wetting disorders can occur in the water-based lacquers.

Roller marks might be visible, due to applying the sealer manually.

Cleaning the tools

Clean with water.

Notes, recommendations, special information, miscellaneous

Highly pigmented colour shades outside the grey area (e.g. intense red, blue or yellow shades) are normally subject to higher pigment abrasion. If this is to be avoided, we recommend applying an additional transparent sealant, such as StoPox WL 100 transparent (gloss) or StoPox WL 150 transparent (matt). Please take into account that this may lead to possible changes in the slip-resistant properties. A temporary protective effect can also be achieved by using StoDivers P 105 and P 120 floor finish.

Delivery

Colour shade

wide colour shade variety, RAL colour fan, limited tintability in accordance with the StoColor System

Packaging

pail and tin

Article number

Name

Container

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StoPox WL 200

03640/012	StoPox WL 200 Set RAL7035	30 kg set
03640/011	StoPox WL 200 Set RAL7032	30 kg set
03640/010	StoPox WL 200 Set RAL7030	30 kg set
03640/008	StoPox WL 200 Set tinted	30 kg set
03640/002	StoPox WL 200 Set tinted	12 kg set

Storage

Storage conditions	Store in dry and frost-free conditions; avoid direct sunlight.
Storage life	In the original container until ... (see packaging).

Identification

Product group	Intermediate coat
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Safety

This product is subject to compulsory labelling in accordance with the current EU regulation.
Observe the Safety Data Sheet!
Please observe the information regarding the handling of the product, its storage, and disposal.
Practical guide for dealing with epoxy resins: "Sicherer Umgang mit Epoxidharzen in der Bauwirtschaft".
And
Test report on the protective action of chemical protective gloves against epoxy resin coatings: "Handschuhe für lösemittelfreie Epoxidharz-Systeme" and "Schutzhandschuhe: Richtig anwenden"
www.bgbau.de/gisbau/fachthemen/epoxi

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Guidelines for the planning of building site facilities: "Wirtschaftliche and sichere Baustelleneinrichtung"

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[Www.BAuA.de](http://www.BAuA.de)

Special notes

The information in this Technical Data Sheet serves to ensure the product's intended use, or its suitability for use, and is based on our findings and experience. Users are nevertheless responsible for establishing the product's suitability and use.

Applications not specifically mentioned in this Technical Data Sheet are permissible only after prior consultation. Where no approval is given, such applications are at the user's own risk. This applies in particular when the product is used in combination with other products.

When a new Technical Data Sheet is published, all previous Technical Data Sheets are no longer valid. The latest version is available on the Internet.

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